AMENDMENTS TO THE CLAIMS:

Please amend claims 22 and 31, as indicated below. This listing of claims will replace all prior versions and listings of claims in the application:

1.-21. (Cancelled)

22. (Currently Amended) A method, implemented using a computer system comprising a processor and a memory, for simulating a communications network through objects that model respective network devices, comprising the steps of:

simulating, using the computer, through said objects, the supply of network services to a plurality of simulated network users according to respective quality of service profiles, wherein the simulating comprises:

selectively associating some of the objects with respective simulated network users;

selectively associating, using the computer, ~~at least one of~~ each of the plurality of simulated network users with ~~at least one~~ a respective quality of service profile, of the plurality of quality of service profiles, wherein the associated quality of service profiles describe quality requirements of objects associated with the simulated network users;

selectively identifying, using the computer, for each of said objects, ~~the~~ at least one quality of service profile;

dynamically configuring said objects, using the computer, to simulate the supply of the service to ~~the~~ at least one of the plurality of simulated network users corresponding to said selectively identified quality of service profile; and

dynamically varying the services to the at least one simulated network user, using the computer, by setting values of different parameters defining the at least one quality of service profile associated with the at least one simulated network user,

wherein the steps are applied for simulating networks comprising a plurality of mobile terminals cooperating with blocks or network devices, and wherein the simulated network user comprises one of the plurality of mobile terminals for receiving network services.

23. (Cancelled)

24. (Previously Presented) The method according to claim 22, further comprising the steps of:

performing at least one simulation, using the computer, in which every user uses a different service from that used by other users of said plurality of simulated network users.

25. (Previously Presented) The method according to claim 22, wherein the steps are applied, using the computer, for simulating networks comprising mobile terminals, said quality of service profile comprising parameters chosen from the group of:

traffic class,

maximum transfer time of a data unit,

guaranteed transfer speed for data transmitted by mobile terminal toward the network,

maximum transfer speed for data transmitted from mobile terminal toward the network,

guaranteed transfer speed for data transmitted by the network toward a mobile terminal, and

maximum transfer speed for data transmitted by the network toward a mobile terminal.

26. (Previously Presented) The method according to claim 22, wherein the steps are applied, using the computer, for simulating networks comprising mobile terminals connected through radio interfaces to a switching centre, said mobile terminals and said switching centre comprising respective control modules of calls, wherein, in case of simulation of a circuit switching call originated from a mobile terminal, the method comprises the step of directly sending said parameter from said control module of the mobile terminal toward the control module of the switching centre in view of the forwarding of said parameter to modules of the related radio interfaces that start the connection according to the type of service pointed out in said parameter.

27. (Previously Presented) The method according to claim 22, wherein the steps are applied, using the computer, for simulating networks comprising mobile terminals connected through radio interfaces to a network node, said mobile terminals and said network node comprising respective modules for managing the mobile terminal session and for managing the support node session, wherein, in case of simulation of a packet switching call originated from a mobile terminal, the method comprises the step of directly sending said parameter from said module for managing the mobile terminal session toward said module for managing the support node session in view of the forwarding of such parameter to the modules of the related radio interfaces that start the connection according to the type of service pointed out in said parameter.

28. (Previously Presented) The method according to claim 22, wherein the steps are applied, using the computer, for simulating networks comprising mobile terminals cooperating with blocks responsible for starting the connection, wherein, in case of simulation of a call originated from a terminal, said parameter is specified by said terminal to said blocks during the procedure for starting the connection.

29. (Previously Presented) The method according to claim 22, wherein the steps are applied, using the computer, for simulating networks comprising mobile terminals cooperating with blocks responsible for starting the connection, wherein, in case of simulation of a terminated call toward a determined network terminal, comprises the step of taking said parameter from the terminal object of the call, said taking step being performed by said blocks responsible for starting the connection.

30. (Previously Presented) The method according to claim 22, wherein the steps are applied, using the computer, for simulating networks comprising mobile terminals cooperating with network devices, comprising, in case of simulation of a terminated call on a mobile terminal, the step of sending the indication of connection start beginning from simulated network devices omitting the indication of what quality of service profile to use and obtaining said profile from the mobile terminal to which the call is directed.

31. (Currently Amended) A computer system for simulating a communications network, the computer system comprising:

a processor comprising an engine for managing simulation of the communications network; and

objects that model respective network devices, wherein said processor uses said objects to simulate the supply of network services to a plurality of simulated network users according to respective quality of service profiles, wherein some of the objects are selectively associated with respective simulated network users;

wherein ~~at least one~~ a respective quality of service profile is selectively associated, using said processor, with ~~at least one~~ each of the simulated network users, wherein the associated

quality of service profiles describe quality requirements of objects associated with the simulated network users;

wherein said processor being configured to dynamically configure said objects to simulate the supply of services to ~~the~~ at least one of the plurality of simulated network users corresponding to selectively identified quality of service profiles for each of said objects,

wherein said processor being configured to vary the services to the at least one simulated network user by setting values of different parameters defining the ~~at least one~~ quality of service profile associated with the at least one simulated network user, and

wherein said processor being configured to simulate networks comprising a plurality of mobile terminals cooperating with blocks or network devices, and wherein the simulated network user comprises one of the plurality of mobile terminals for receiving network services.

32. (Cancelled)

33. (Previously Presented) The computer system according to claim 31, wherein:

the system is configured for performing at least one simulation in which every simulated user uses a different service from that used by other users of said plurality of users.

34. (Previously Presented) The computer system according to claim 31, for simulating networks comprising mobile terminals, said quality of service profile comprising parameters chosen from the group of:

traffic class,

maximum transfer time of a data unit,

guaranteed transfer speed for data transmitted by mobile terminal toward the network,

maximum transfer speed for data transmitted from mobile terminal toward the network,

guaranteed transfer speed for data transmitted by the network toward a mobile terminal, and

maximum transfer speed for data transmitted by the network toward a mobile terminal.

35. (Previously Presented) The computer system according to claim 31, for simulating networks comprising mobile terminals connected through radio interfaces to a switching centre, said mobile terminals and said switching centre comprising respective control modules of calls wherein, in case of simulation of a circuit switching call originated from a mobile terminal, the system is configured for directly sending said parameter from said control module of the mobile terminal toward the control module of the switching centre in view of the forwarding of said parameter to modules of the related radio interfaces that start the connection according to the type of service pointed out in said parameter.

36. (Previously Presented) The computer system according to claim 31, for simulating networks comprising mobile terminals connected through radio interfaces to a network node, said mobile terminals and said network node comprising respective modules for managing a mobile terminal session and for managing a support node session, wherein, in case of simulation of a packet switching call originated from a mobile terminal, the system is configured for directly sending said parameter from said module for managing the mobile terminal session toward said module for managing the support node session in view of the forwarding of said parameter to the modules of the related radio interfaces that start the connection according to the type of service pointed out in said parameter.

37. (Previously Presented) The computer system according to claim 31, for simulating networks comprising terminals cooperating with blocks responsible for starting the connection, wherein, in case of simulation of a call originated from a terminal, the system is

configured for specifying said parameter from said terminal to said blocks during the procedure for starting the connection.

38. (Previously Presented) The computer system according to claim 31, for simulating networks comprising terminals cooperating with blocks responsible for starting the connection, wherein, in case of simulation of a terminated call toward a certain network terminal, the system is configured for taking said parameter from the terminal object of the call, said taking being performed by said blocks responsible for starting the connection.

39. (Previously Presented) The computer system according to claim 31, for simulating networks comprising mobile terminals cooperating with network devices, wherein, in case of simulation of a terminated call on a mobile terminal, the system is configured for sending the indication of connection start beginning from simulated network devices by omitting the indication of what quality of service profile to use and by obtaining said profile from the mobile terminal to which the call is directed.

40. (Cancelled)

41. (Previously Presented) A communications network, comprising the computer system, implemented according to a method of any one of claims 22 and 24 to 30.

42. (Previously presented) A non-transitory computer readable medium encoded with a computer program product loadable into a memory of at least one electronic computer, the computer program product comprising portions of software code for performing the method according to any one of claims 22 and 24-30.